

From the INTERNATIONAL BUREAU

**PCT**

SECOND AND SUPPLEMENTARY NOTICE  
 INFORMING THE APPLICANT OF THE  
 COMMUNICATION OF THE INTERNATIONAL  
 APPLICATION (TO DESIGNATED OFFICES  
 WHICH APPLY THE 30 MONTH TIME  
 LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

Date of mailing (day/month/year) 20 April 2006 (20.04.2006)
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To:

AWEK INDUSTRIAL PATENTS LTD OY  
 P.O.Box 230  
 FI-00101 Helsinki  
 FINLANDE

Applicant's or agent's file reference 1934WO-JR-TK
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**IMPORTANT NOTICE**

International application No. PCT/FI2004/050009	International filing date (day/month/year) 30 January 2004 (30.01.2004)	Priority date (day/month/year) 18 December 2003 (18.12.2003)
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Applicant WÄRTSILÄ FINLAND OY et al
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1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does not apply**, please see Form PCT/IB/308(First Notice) issued previously.
2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:  
30 June 2005 (30.06.2005)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, PG, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1 :

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SG, SK, SL, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

**4. TIME LIMITS for entry into the national phase**

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For **regular updates on the applicable time limits** (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland

Authorized officer

Beate Giffo-Schmitt

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050009

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: B63B 25/14, B63J 5/00, F17C 7/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: B65B, B63J, F17C**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA, PAJ**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4276749 A (CROWLEY), 7 July 1981 (07.07.1981), figure 1, abstract --	1,11
A	US 5590535 A (RHOADES), 7 January 1997 (07.01.1997), figure 1, abstract --	1,11
A	EP 1291576 A2 (CRYPTOSTAR-FRANCE SA), 12 March 2003 (12.03.2003), figures 1,2, abstract --	1,11
A	EP 1348620 A1 (ALSTROM), 1 October 2003 (01.10.2003), figure 1, abstract --	1,11

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"B"	earlier application or patent but published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search

16 Sept 2004

Date of mailing of the international search report

17 -09- 2004

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. + 46 8 666 02 86Authorized officer  
**Carl Fröderberg/EK**  
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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/FI 2004/050009

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5884488 A (GRAM ET AL), 23 March 1999 (23.03.1999), figure 2, abstract  --	1,11
A	FR 2722760 A1 (CHANTIERS DE L' ATLANTIQUE S A), 26 January 1996 (26.01.1996), abstract  -- -----	1,11
		2

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/FI 2004/050009

US 4276749 A 07/07/1981 NONE

US 5590535 A 07/01/1997 NONE

EP	1291576	A2	12/03/2003	CN	1406813	A	02/04/2003
				GB	0120661	D	00/00/0000
				JP	2003175891	A	24/06/2003
				US	6598564	B	29/07/2003
				US	20030054307	A	20/03/2003

EP	1348620	A1	01/10/2003	CN	1446728	A	08/10/2003
				FR	2837783	A	03/10/2003
				JP	2004036608	A	05/02/2004

US	5884488	A	23/03/1999	AT	271190	T	15/07/2004
				AU	746058	B	11/04/2002
				AU	1138199	A	31/05/1999
				CA	2307103	A	20/05/1999
				EP	1030971	A,B	30/08/2000
				JP	2001522968	T	20/11/2001
				US	6659730	B	09/12/2003
				US	20020085921	A	04/07/2002
				WO	9924714	A	20/05/1999

FR 2722760 A1 26/01/1996 NONE